

Title (en)  
BATTERY PACK AND AUTOMOBILE COMPRISING SAME

Title (de)  
BATTERIEPACK UND AUTOMOBIL DAMIT

Title (fr)  
BLOC-BATTERIE ET AUTOMOBILE LE COMPRENANT

Publication  
**EP 3573132 A4 20200527 (EN)**

Application  
**EP 18847458 A 20180723**

Priority  
• KR 20170106049 A 20170822  
• KR 2018008293 W 20180723

Abstract (en)  
[origin: EP3573132A1] Disclosed is a battery pack, which includes: a battery module having at least one battery cell; a pack case having a case body for accommodating the battery module and a case cover welded to the case body to package the battery module; and at least one weldability checking guider provided at the case body of the pack case to check accuracy of the welding.

IPC 8 full level  
**B23K 31/12** (2006.01); **H01M 50/103** (2021.01); **H01M 50/202** (2021.01); **H01M 50/249** (2021.01); **B23K 101/36** (2006.01); **H01M 10/04** (2006.01); **H01M 10/48** (2006.01)

CPC (source: EP KR US)  
**B23K 31/12** (2013.01 - KR); **B23K 31/125** (2013.01 - EP KR); **H01M 10/04** (2013.01 - KR); **H01M 10/48** (2013.01 - KR); **H01M 10/625** (2015.04 - KR); **H01M 50/103** (2021.01 - EP KR US); **H01M 50/169** (2021.01 - EP KR US); **H01M 50/20** (2021.01 - KR); **H01M 50/202** (2021.01 - EP KR US); **H01M 50/249** (2021.01 - EP KR US); **B23K 2101/36** (2018.07 - KR); **H01M 10/04** (2013.01 - EP); **H01M 10/48** (2013.01 - EP US); **H01M 2220/20** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

Citation (search report)  
• [X] GB 1569410 A 19800611 - LUCAS INDUSTRIES LTD  
• [X] US 2009092860 A1 20090409 - YAMAMOTO HIROSHI [JP], et al  
• [XY] JP 2011090861 A 20110506 - PANASONIC CORP  
• [Y] US 4828943 A 19890509 - PRITCHARD SUE P [US]  
• [A] JP 4869592 B2 20120208  
• See references of WO 2019039744A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3573132 A1 20191127**; **EP 3573132 A4 20200527**; **EP 3573132 B1 20230621**; CN 110199408 A 20190903; CN 110199408 B 20230512; ES 2950683 T3 20231011; HU E062444 T2 20231128; JP 2020514984 A 20200521; JP 7038948 B2 20220322; KR 102175940 B1 20201106; KR 20190021008 A 20190305; PL 3573132 T3 20230904; US 11050104 B2 20210629; US 2020044204 A1 20200206; WO 2019039744 A1 20190228

DOCDB simple family (application)  
**EP 18847458 A 20180723**; CN 201880007828 A 20180723; ES 18847458 T 20180723; HU E18847458 A 20180723; JP 2019538204 A 20180723; KR 20170106049 A 20170822; KR 2018008293 W 20180723; PL 18847458 T 20180723; US 201816481266 A 20180723